



July 2009

DEPARTMENT OF EDUCATION
2008–2009 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State accountability standards of Maine's *Learning Results*. The *Learning Results* contain goals for what all students should know and be able to do at certain times in their school careers and include the accountability standards that are assessed for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind* Act.

The 2008-2009 MEA Summary Reports contain the results of student achievement in reading and mathematics at all grades and science at grades 5 and 8 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. More information about the MEA is available at www.maine.gov/education/mea/index.htm.

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the assessments.

Sincerely,

Susan A. Gendron
Commissioner of Education



School Report Grade 5

Test Date: March 2009
Code: 10971301
SAU: Madawaska School Department
School: Madawaska Elementary School

Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

<i>Topic</i>	<i>Page</i>
Summary of Scores	2
Summary of Student Participation	3
English Language Arts – Reading Results	4-6
Mathematics Results	7-9
Science Results	10-12

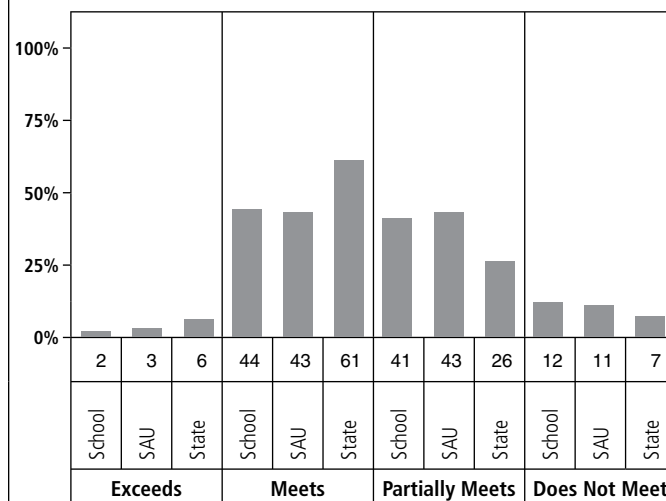
SUMMARY OF SCORES

Test Date: March 2009
 Grade: 5
 SAU: Madawaska School Department
 School: Madawaska Elementary School

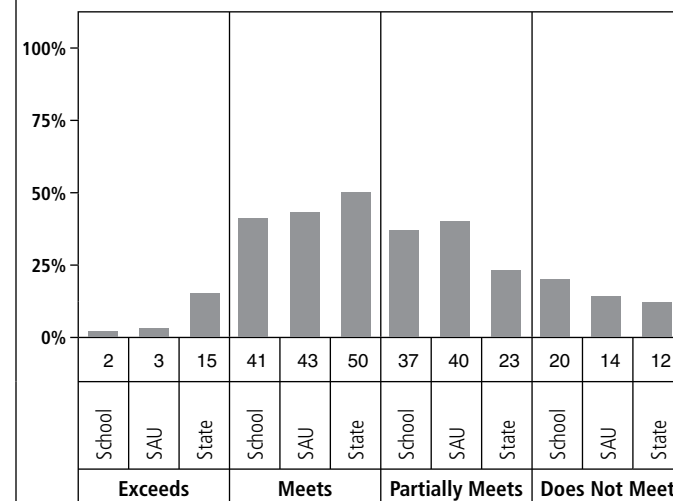
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2006–2007	545	546	544
2007–2008	547	547	545
2008–2009	542	542	546
Cum. Avg.*	545	545	545
Mathematics			
2006–2007	547	548	546
2007–2008	545	544	546
2008–2009	539	540	547
Cum. Avg.*	544	544	546
Science			
2008–2009 **	539	539	543

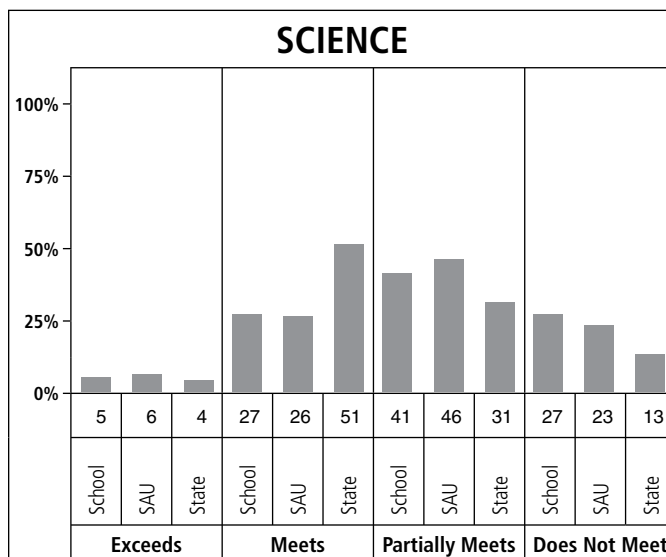
ELA – READING



MATHEMATICS



SCIENCE



*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

**Because science testing moved from grade 4 to grade 5 in March 2009, science standards were reset and therefore no historical data are available.

SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2009
Grade: 5
SAU: Madawaska School Department
School: Madawaska Elementary School

CATEGORY OF PARTICIPATION	Enrollment ¹ during testing window						CONTENT AREA PARTICIPATION ²																	
	School		SAU		State		ELA-Reading						Mathematics						Science					
	n		n		n		n		n		n		n		n		n		n		n		n	
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Total number of students	44	100	37	100	14212	100	42	98	36	97	14135	100	42	98	36	97	14144	100	42	98	36	97	14137	100
Ethnicity African American/Black	1	2	1	3	397	3	1	100	1	100	388	98	1	100	1	100	393	99	1	100	1	100	389	98
American Indian or Native Alaskan	0	0	0	0	110	1	0	0	0	0	110	100	0	0	0	0	110	100	0	0	0	0	110	100
Asian or Pacific Islander	0	0	0	0	259	2	0	0	0	0	253	98	0	0	0	0	258	100	0	0	0	0	257	99
Hispanic	2	5	2	5	175	1	2	100	2	100	172	99	2	100	2	100	172	99	2	100	2	100	173	99
Caucasian/White	41	93	34	92	13271	93	39	98	33	97	13212	100	39	98	33	97	13211	100	39	98	33	97	13208	100
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Identified disability	11	25	7	19	2479	17	9	90	6	86	2454	100	9	90	6	86	2455	100	9	90	6	86	2451	99
Current LEP	6	14	6	16	374	3	6	100	6	100	359	96	6	100	6	100	370	99	6	100	6	100	366	98
Economically disadvantaged	16	36	12	32	5848	41	14	93	11	92	5815	100	14	93	11	92	5819	100	14	93	11	92	5812	100
Migrant	0	0	0	0	8	0	0	0	0	0	8	100	0	0	0	0	8	100	0	0	0	0	8	100

MODE OF PARTICIPATION ³	ELA-Reading						Mathematics						Science					
	School		SAU		State		School		SAU		State		School		SAU		State	
	n		n		n		n		n		n		n		n		n	
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Participation without accommodations	34	77	31	84	10849	76	34	77	31	84	10872	76	34	77	31	84	10976	77
Identified disability (PET/IEP)	1	3	1	3	298	3	1	3	1	3	307	3	1	3	1	3	338	3
LEP	5	15	5	16	170	2	5	15	5	16	169	2	5	15	5	16	177	2
504 plan	0	0	0	0	123	1	0	0	0	0	121	1	0	0	0	0	126	1
Participation with accommodations	7	16	4	11	3122	22	7	16	4	11	3124	22	7	16	4	11	3019	21
Identified disability (PET/IEP)	7	100	4	100	1992	64	7	100	4	100	2000	64	7	100	4	100	1971	65
LEP	1	14	1	25	184	6	1	14	1	25	196	6	1	14	1	25	184	6
504 plan	0	0	0	0	84	3	0	0	0	0	86	3	0	0	0	0	81	3
Other	0	0	0	0	907	29	0	0	0	0	886	28	0	0	0	0	826	27
Participation through alternate assessment (PAAP)	1	2	1	3	164	1	1	2	1	3	148	1	1	2	1	3	142	1
Identified disability (PET/IEP)	1	100	1	100	164	100	1	100	1	100	148	100	1	100	1	100	142	100
LEP	0	0	0	0	5	3	0	0	0	0	5	3	0	0	0	0	5	4
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Approved non-participation in reading – 1st year LEP	0	0	0	0	0	0												
Approved non-participation – special consideration	1	2	0	0	19	0	1	2	0	0	19	0	1	2	0	0	20	0
Non-participation – other	1	2	1	3	58	0	1	2	1	3	49	0	1	2	1	3	55	0

¹Percents are the percentage of students enrolled in each participation category.

²Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

³Percents are the percentage of students in each content area by mode.

ELA–READING RESULTS

Test Date: March 2009
Grade: 5
SAU: Madawaska School Department
School: Madawaska Elementary School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (Scaled Score 562–580)	2006-2007	0	0	0	0	702	5
	2007-2008	5	11	5	13	659	5
	2008-2009	1	2	1	3	836	6
	Cum. Total*	6	5	6	5	2197	5
Meets the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (Scaled Score 542–560)	2006-2007	33	69	30	70	7730	55
	2007-2008	23	52	19	49	8195	58
	2008-2009	18	44	15	43	8495	61
	Cum. Total*	74	56	64	55	24420	58
Partially Meets the Standards – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (Scaled Score 532–540)	2006-2007	13	27	12	28	4182	30
	2007-2008	13	30	12	31	3800	27
	2008-2009	17	41	15	43	3667	26
	Cum. Total*	43	32	39	33	11649	28
Does Not Meet the Standards – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (Scaled Score 500–530)	2006-2007	2	4	1	2	1419	10
	2007-2008	3	7	3	8	1362	10
	2008-2009	5	12	4	11	973	7
	Cum. Total*	10	8	8	7	3754	9

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Reading Total Points	48	100	28.0	58.3	28.3	59.0	30.8	64.2
A1/A2 Interconnected Elements/Literary Text	24	50	13.3	55.4	13.5	56.3	15.0	62.5
A1/A3 Interconnected Elements/Informational Text	24	50	14.7	61.3	14.8	61.7	15.8	65.8

The MEA assesses students’ reading skills based on questions related to two types of reading passages: literary and informational. Reading passages include both long and short texts, selected from developmentally appropriate works. MEA reading items measure the English Language Arts accountability content standard A, Reading, contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at:
<http://www.maine.gov/education/lres/pei/index.html>.



ELA-READING RESULTS

(CONTINUED)

Test Date: March 2009
 Grade: 5
 SAU: Madawaska School Department
 School: Madawaska Elementary School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	41	1	2	18	44	17	41	5	12	542	35	3	43	43	11	542	13971	6	61	26	7	546
Ethnicity																						
African American/Black	1										1						381	2	44	31	23	540
American Indian or Native Alaskan	0										0						110	0	48	38	14	541
Asian or Pacific Islander	0										0						252	11	58	21	11	547
Hispanic	1										1						166	4	54	32	10	543
Caucasian/White	39	1	3	17	44	16	41	5	13	542	33	3	42	42	12	542	13062	6	62	26	6	546
Not Reported	0										0						0					
Identified disability																						
Yes	8	0	0	1	13	3	38	4	50	533	5	0	20	20	60	534	2290	0	29	47	23	537
No	33	1	3	17	52	14	42	1	3	544	30	3	47	47	3	544	11681	7	67	22	4	548
Current LEP																						
Yes	6	0	0	4	67	2	33	0	0	547	6	0	67	33	0	547	354	1	35	34	30	538
No	35	1	3	14	40	15	43	5	14	541	29	3	38	45	14	542	13617	6	61	26	6	546
Economically disadvantaged																						
Yes	13	0	0	5	38	6	46	2	15	541	10	0	50	40	10	543	5716	2	51	35	12	542
No	28	1	4	13	46	11	39	3	11	543	25	4	40	44	12	542	8255	9	67	20	4	548
Migrant																						
Yes	0										0						8	0	38	25	38	538
No	41	1	2	18	44	17	41	5	12	542	35	3	43	43	11	542	13963	6	61	26	7	546
Gender																						
Female	21	1	5	10	48	9	43	1	5	544	18	6	50	44	0	545	6882	8	62	24	6	547
Male	20	0	0	8	40	8	40	4	20	540	17	0	35	41	24	540	7089	4	60	28	8	545
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	10	0	0	2	20	6	60	2	20	536	9	0	22	56	22	536	1914	1	41	44	14	540
No	31	1	3	16	52	11	35	3	10	544	26	4	50	38	8	545	12057	7	64	23	6	547
Gifted/talented program																						
Yes	0										0						450	26	72	2	0	557
No	41	1	2	18	44	17	41	5	12	542	35	3	43	43	11	542	13521	5	60	27	7	545

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

ELA-READING RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
 Grade: 5
 SAU: Madawaska School Department
 School: Madawaska Elementary School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	5	0	0	0	0	1	50	1	50	530	3	0	0	0	100	526	4	2	40	34	24	540
B. less than one hour	61	1	4	10	40	11	44	3	12	542	63	5	36	45	14	543	70	6	63	26	6	546
C. one to two hours	34	0	0	8	57	5	36	1	7	543	34	0	58	42	0	544	24	7	61	26	6	546
D. more than two hours	0										0						2	4	42	33	21	541
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	39	1	6	12	75	3	19	0	0	549	43	7	73	20	0	549	36	10	67	18	5	549
B. good	39	0	0	2	13	10	63	4	25	537	34	0	0	75	25	536	47	5	62	27	6	546
C. fair	22	0	0	4	44	4	44	1	11	539	23	0	50	38	13	540	15	2	47	40	12	541
D. poor	0										0						2	0	30	46	24	537
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?																						
A. The questions on the test match what I have learned in reading class.	15	0	0	5	83	1	17	0	0	549	14	0	80	20	0	549	31	9	65	20	5	548
B. They match some of what I have learned.	61	1	4	11	44	11	44	2	8	543	63	5	41	50	5	543	55	5	63	27	5	546
C. They match just a little of what I have learned.	12	0	0	2	40	3	60	0	0	542	11	0	50	50	0	544	10	3	45	38	14	542
D. There is no match.	12	0	0	0	0	2	40	3	60	530	11	0	0	25	75	530	3	1	31	41	27	537
How difficult was the reading part of this test?																						
A. more difficult than my regular schoolwork	20	0	0	0	0	5	63	3	38	533	18	0	0	50	50	533	16	3	49	32	15	542
B. about the same as my regular schoolwork	68	0	0	15	56	10	37	2	7	543	68	0	52	43	4	543	64	7	63	25	5	547
C. easier than my regular schoolwork	13	1	20	3	60	1	20	0	0	553	15	20	60	20	0	553	20	5	62	26	7	546
How difficult were the reading passages on this test?																						
A. Most of the passages were more difficult than what I normally read.	10	0	0	1	25	1	25	2	50	532	9	0	33	0	67	531	10	1	33	42	24	538
B. Most of the passages were about the same as what I normally read.	45	0	0	8	44	9	50	1	6	542	44	0	40	53	7	542	52	4	61	29	6	545
C. Most of the passages were easier than what I normally read.	45	1	6	9	50	6	33	2	11	545	47	6	50	38	6	545	38	10	68	18	4	549
How much time do you spend reading at home each day?																						
A. more than one hour	18	1	14	4	57	2	29	0	0	547	21	14	57	29	0	547	20	10	64	21	5	548
B. 20 minutes to an hour	38	0	0	8	53	7	47	0	0	544	38	0	46	54	0	543	56	7	65	24	5	547
C. less than 20 minutes	18	0	0	3	43	3	43	1	14	542	18	0	33	50	17	541	10	3	52	33	12	543
D. I rarely read at home.	28	0	0	3	27	4	36	4	36	537	24	0	38	25	38	539	14	1	46	38	14	541
How many pages do you read in school and to complete homework assignments?																						
A. five or fewer pages	18	0	0	2	29	3	43	2	29	536	15	0	40	20	40	537	25	3	53	33	11	543
B. six to ten pages	35	0	0	6	43	7	50	1	7	543	38	0	38	54	8	542	26	6	61	26	7	546
C. eleven or more pages	48	1	5	10	53	6	32	2	11	544	47	6	50	38	6	544	49	8	65	23	5	547
Optional school/SAU question																						
A.	0										0											
B.	0										0											
C.	0										0											
D.	100	0	0	0	0	1	100	0	0	532	0											

MATHEMATICS RESULTS

Test Date: March 2009
Grade: 5
SAU: Madawaska School Department
School: Madawaska Elementary School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (Scaled Score 562–580)	2006-2007	4	8	4	9	1711	12
	2007-2008	4	9	4	10	1617	12
	2008-2009	1	2	1	3	2119	15
	Cum. Total*	9	7	9	8	5447	13
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (Scaled Score 542–560)	2006-2007	28	58	26	60	6778	48
	2007-2008	26	58	22	55	7284	52
	2008-2009	17	41	15	43	7046	50
	Cum. Total*	71	53	63	53	21108	50
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (Scaled Score 530–540)	2006-2007	14	29	12	28	3884	28
	2007-2008	8	18	7	18	3341	24
	2008-2009	15	37	14	40	3193	23
	Cum. Total*	37	28	33	28	10418	25
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (Scaled Score 500–528)	2006-2007	2	4	1	2	1683	12
	2007-2008	7	16	7	18	1778	13
	2008-2009	8	20	5	14	1638	12
	Cum. Total*	17	13	13	11	5099	12

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Mathematics Total Points	48	100	20.8	43.3	21.5	44.8	25.5	53.1
A. Number	18	38	7.9	43.9	8.2	45.6	9.8	54.4
B. Data	10	21	4.6	46.0	4.6	46.0	5.2	52.0
C. Geometry	10	21	3.9	39.0	4.0	40.0	4.7	47.0
D. Algebra	10	21	4.4	44.0	4.7	47.0	5.7	57.0

The MEA assesses students’ mathematics knowledge based on questions that measure the mathematics accountability content standards contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard A, Number, includes Whole Number, Rational Number, and Real Number.

Content Standard B, Data, includes Measurement and Approximation, Data Analysis, and Probability.

Content Standard C, Geometry, includes Geometric Figures, Geometric Measurement, and Transformations.

Content Standard D, Algebra, includes Symbols and Expressions, Equations and Inequalities, and Functions and Relations.

MATHEMATICS RESULTS

(CONTINUED)

Test Date: March 2009
 Grade: 5
 SAU: Madawaska School Department
 School: Madawaska Elementary School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	41	1	2	17	41	15	37	8	20	539	35	3	43	40	14	540	13996	15	50	23	12	547
Ethnicity																						
African American/Black	1										1						385	6	35	28	30	537
American Indian or Native Alaskan	0										0						110	5	42	34	20	540
Asian or Pacific Islander	0										0						257	19	50	20	12	548
Hispanic	1										1						166	9	43	31	17	543
Caucasian/White	39	1	3	16	41	15	38	7	18	539	33	3	42	42	12	541	13078	15	51	23	11	547
Not Reported	0										0						0					
Identified disability																						
Yes	8	0	0	1	13	3	38	4	50	527	5	0	20	60	20	531	2307	3	32	32	33	536
No	33	1	3	16	48	12	36	4	12	542	30	3	47	37	13	542	11689	17	54	21	8	549
Current LEP																						
Yes	6	0	0	4	67	2	33	0	0	544	6	0	67	33	0	544	365	5	33	30	32	536
No	35	1	3	13	37	13	37	8	23	538	29	3	38	41	17	540	13631	15	51	23	11	547
Economically disadvantaged																						
Yes	13	0	0	4	31	4	31	5	38	534	10	0	40	40	20	539	5731	7	46	29	18	542
No	28	1	4	13	46	11	39	3	11	541	25	4	44	40	12	541	8265	21	53	19	7	550
Migrant																						
Yes	0										0						8	0	38	50	13	540
No	41	1	2	17	41	15	37	8	20	539	35	3	43	40	14	540	13988	15	50	23	12	547
Gender																						
Female	21	0	0	11	52	7	33	3	14	541	18	0	56	39	6	542	6889	14	51	23	12	546
Male	20	1	5	6	30	8	40	5	25	537	17	6	29	41	24	538	7107	16	50	23	11	547
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	10	0	0	0	0	7	70	3	30	531	9	0	0	78	22	532	1918	3	39	36	22	539
No	31	1	3	17	55	8	26	5	16	542	26	4	58	27	12	543	12078	17	52	21	10	548
Gifted/talented program																						
Yes	0										0						450	64	34	2	0	564
No	41	1	2	17	41	15	37	8	20	539	35	3	43	40	14	540	13546	14	51	23	12	546

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

MATHEMATICS RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
 Grade: 5
 SAU: Madawaska School Department
 School: Madawaska Elementary School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	5	0	0	0	0	0	0	2	100	508	3	0	0	0	100	502	4	8	38	26	28	539
B. less than one hour	61	1	4	13	52	8	32	3	12	542	63	5	55	32	9	543	70	15	52	23	10	547
C. one to two hours	34	0	0	4	29	7	50	3	21	537	34	0	25	58	17	538	24	15	51	23	11	547
D. more than two hours	0										0						2	9	37	24	30	539
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	45	1	6	9	50	7	39	1	6	544	50	6	47	41	6	544	34	28	50	14	8	552
B. good	40	0	0	7	44	6	38	3	19	539	35	0	50	42	8	542	45	11	54	24	10	546
C. fair	13	0	0	1	20	1	20	3	60	525	15	0	20	20	60	525	18	3	45	33	19	540
D. poor	3	0	0	0	0	0	0	1	100	514	0						3	1	29	41	29	535
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?																						
A. The questions on the test match what I have learned in mathematics class.	27	1	9	6	55	4	36	0	0	546	26	11	56	33	0	547	38	22	52	19	7	550
B. They match some of what I have learned.	46	0	0	9	47	7	37	3	16	541	51	0	44	39	17	540	48	12	53	24	11	546
C. They match just a little of what I have learned.	15	0	0	1	17	3	50	2	33	534	14	0	20	60	20	537	11	6	40	30	24	540
D. There is no match.	12	0	0	1	20	1	20	3	60	524	9	0	33	33	33	527	3	6	26	29	38	534
How difficult was the mathematics part of this test?																						
A. more difficult than my regular schoolwork	22	0	0	5	56	2	22	2	22	536	20	0	57	29	14	537	17	7	42	30	21	540
B. about the same as my regular schoolwork	71	1	3	11	38	11	38	6	21	540	74	4	38	42	15	541	64	15	53	23	10	547
C. easier than my regular schoolwork	7	0	0	1	33	2	67	0	0	541	6	0	50	50	0	543	19	24	49	17	10	550
On average, how many minutes a day do you spend working on mathematics in class?																						
A. less than 30 minutes	7	0	0	0	0	2	67	1	33	531	9	0	0	67	33	531	7	6	39	27	27	539
B. 30–45 minutes	63	0	0	13	50	9	35	4	15	540	63	0	50	41	9	541	28	9	49	28	15	544
C. 45–60 minutes	27	1	9	3	27	4	36	3	27	538	26	11	33	33	22	540	41	17	53	21	9	548
D. more than 60 minutes	2	0	0	1	100	0	0	0	0	546	3	0	100	0	0	546	24	21	51	20	8	549
How often do you use calculators in mathematics class?																						
A. almost every day	10	0	0	2	50	0	0	2	50	536	6	0	50	0	50	537	6	14	43	24	20	543
B. two or three days a week	20	0	0	5	63	3	38	0	0	545	23	0	63	38	0	545	24	17	52	21	10	548
C. two or three times each month	46	1	5	9	47	7	37	2	11	543	51	6	44	39	11	542	33	17	52	21	9	548
D. never or almost never	24	0	0	1	10	5	50	4	40	529	20	0	14	57	29	530	38	12	49	25	14	545
How often do you use hands-on materials in mathematics class?																						
A. almost every day	17	0	0	4	57	2	29	1	14	541	17	0	50	33	17	541	23	13	47	26	15	545
B. two or three days a week	41	1	6	9	53	4	24	3	18	541	49	6	53	24	18	541	31	17	52	21	10	548
C. two or three times each month	24	0	0	4	40	5	50	1	10	541	23	0	38	63	0	542	27	17	52	21	10	548
D. never or almost never	17	0	0	0	0	4	57	3	43	530	11	0	0	75	25	534	20	12	50	24	14	545
Optional school/SAU question																						
A.	0										0											
B.	0										0											
C.	0										0											
D.	100	0	0	0	0	0	0	1	100	522	0											

SCIENCE RESULTS

Test Date: March 2009
Grade: 5
SAU: Madawaska School Department
School: Madawaska Elementary School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information, analyze and solve difficult problems, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (Scaled Score 562–580)	2008-2009*	2	5	2	6	626	4
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve routine problems and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (Scaled Score 542–560)	2008-2009*	11	27	9	26	7187	51
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (Scaled Score 532–540)	2008-2009*	17	41	16	46	4364	31
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems. Explanations are illogical, incomplete, or missing. There are many inaccuracies. (Scaled Score 500–530)	2008-2009*	11	27	8	23	1818	13

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Science Total Points	48	100	26.4	55.0	26.7	55.6	29.2	60.8
D. The Physical Setting	24	50	11.9	49.6	11.9	49.6	12.9	53.8
E. The Living Environment	24	50	14.5	60.4	14.8	61.7	16.3	67.9

The MEA assesses students’ science knowledge based on questions that measure the science accountability content standards highlighted in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard D. The Physical Setting
D1 - Universe and Solar System
D2 - Earth
D3 - Matter and Energy
D4 - Force and Motion

Content Standard E. The Living Environment
E1 - Biodiversity
E2 - Ecosystems
E3 - Cells
E4 - Heredity and Reproduction
E5 - Evolution

SCIENCE RESULTS

(CONTINUED)

Test Date: March 2009
 Grade: 5
 SAU: Madawaska School Department
 School: Madawaska Elementary School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	41	2	5	11	27	17	41	11	27	539	35	6	26	46	23	539	13995	4	51	31	13	543
Ethnicity																						
African American/Black	1										1						382	2	31	32	35	535
American Indian or Native Alaskan	0										0						110	3	36	35	26	538
Asian or Pacific Islander	0										0						256	5	51	27	17	542
Hispanic	1										1						167	1	40	37	22	539
Caucasian/White	39	1	3	11	28	17	44	10	26	538	33	3	27	48	21	539	13080	5	52	31	12	544
Not Reported	0										0						0					
Identified disability																						
Yes	8	0	0	1	13	1	13	6	75	529	5	0	20	20	60	531	2309	2	29	39	29	536
No	33	2	6	10	30	16	48	5	15	541	30	7	27	50	17	541	11686	5	56	30	10	545
Current LEP																						
Yes	6	1	17	1	17	4	67	0	0	544	6	17	17	67	0	544	361	1	23	32	44	533
No	35	1	3	10	29	13	37	11	31	538	29	3	28	41	28	538	13634	5	52	31	12	544
Economically disadvantaged																						
Yes	13	2	15	1	8	5	38	5	38	537	10	20	10	50	20	541	5729	2	42	37	20	539
No	28	0	0	10	36	12	43	6	21	539	25	0	32	44	24	539	8266	6	58	27	8	546
Migrant																						
Yes	0										0						8	0	25	13	63	530
No	41	2	5	11	27	17	41	11	27	539	35	6	26	46	23	539	13987	4	51	31	13	543
Gender																						
Female	21	0	0	8	38	9	43	4	19	539	18	0	39	50	11	540	6886	4	49	33	14	542
Male	20	2	10	3	15	8	40	7	35	538	17	12	12	41	35	538	7109	5	54	29	12	544
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	10	0	0	1	10	4	40	5	50	532	9	0	11	44	44	533	1917	1	31	41	28	536
No	31	2	6	10	32	13	42	6	19	541	26	8	31	46	15	541	12078	5	55	30	11	544
Gifted/talented program																						
Yes	0										0						450	25	72	2	1	557
No	41	2	5	11	27	17	41	11	27	539	35	6	26	46	23	539	13545	4	51	32	13	543

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

SCIENCE RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 5
SAU: Madawaska School Department
School: Madawaska Elementary School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	5	0	0	0	0	0	0	2	100	521	3	0	0	0	100	524	4	2	37	35	25	538
B. less than one hour	61	2	8	7	28	10	40	6	24	540	63	9	27	41	23	540	70	4	53	31	12	544
C. one to two hours	34	0	0	4	29	7	50	3	21	538	34	0	25	58	17	538	24	5	51	31	12	544
D. more than two hours	0										0						2	4	39	31	26	539
Which of the following best describes how you rate yourself as a student in science?																						
A. very good	32	2	15	4	31	6	46	1	8	544	31	18	27	45	9	545	26	7	56	26	11	545
B. good	59	0	0	7	29	10	42	7	29	537	60	0	29	48	24	538	53	4	53	31	11	544
C. fair	7	0	0	0	0	1	33	2	67	528	6	0	0	50	50	528	18	2	41	39	17	540
D. poor	2	0	0	0	0	0	0	1	100	522	3	0	0	0	100	522	3	1	33	36	30	536
How well do the questions that you have just been given on this MEA test match what you have learned in school about science?																						
A. The questions on the test match what I have learned in science class.	15	1	17	2	33	2	33	1	17	543	11	25	25	25	25	544	23	5	56	28	11	544
B. They match some of what I have learned.	34	0	0	4	29	7	50	3	21	539	37	0	31	54	15	540	48	5	52	31	12	544
C. They match just a little of what I have learned.	39	1	6	4	25	7	44	4	25	540	40	7	21	50	21	540	23	4	49	33	14	543
D. There is no match.	12	0	0	1	20	1	20	3	60	529	11	0	25	25	50	532	6	3	40	34	23	539
How difficult was the science part of this test?																						
A. more difficult than my regular schoolwork	27	0	0	3	27	4	36	4	36	536	26	0	22	44	33	537	23	5	48	31	16	543
B. about the same as my regular schoolwork	49	2	10	7	35	6	30	5	25	541	49	12	35	29	24	542	58	4	52	32	12	543
C. easier than my regular schoolwork	24	0	0	1	10	7	70	2	20	536	26	0	11	78	11	537	19	6	53	29	11	544
How often do you have science classes?																						
A. every day	49	2	10	5	25	8	40	5	25	540	46	13	25	44	19	542	33	5	51	31	14	543
B. a few times a week	51	0	0	6	29	9	43	6	29	537	54	0	26	47	26	537	45	4	52	32	11	544
C. once a week	0										0						8	4	50	30	16	542
D. a few times a month	0										0						15	4	52	30	14	543
Which statement best describes how you learn science?																						
A. I mostly read a textbook and answer questions, and/or take notes and do assignments. I use science kits for demonstrations and experiments.	10	0	0	1	25	2	50	1	25	537	11	0	25	50	25	537	30	3	48	35	14	542
B. I work in groups to design and conduct experiments.	49	1	5	3	15	11	55	5	25	537	49	6	18	59	18	539	23	2	43	37	18	540
C. I do a combination of A and B, mostly A.	22	0	0	2	22	4	44	3	33	537	23	0	13	50	38	535	27	6	58	26	9	546
D. I do a combination of A and B, mostly B.	20	1	13	5	63	0	0	2	25	546	17	17	67	0	17	548	21	6	58	27	10	545
How often do you make observations and collect data in science class?																						
A. a few times a week	83	2	6	9	26	15	44	8	24	539	91	6	28	44	22	540	47	4	51	32	12	543
B. a few times a month	12	0	0	1	20	2	40	2	40	536	9	0	0	67	33	535	27	5	54	30	11	544
C. once a month	0										0						10	5	49	30	15	543
D. never or almost never	5	0	0	1	50	0	0	1	50	533	0						15	3	48	32	16	542
How often do you use observations and data to support your idea about science?																						
A. a few times a week	73	2	7	8	27	12	40	8	27	540	77	7	26	41	26	540	46	4	52	32	12	543
B. a few times a month	17	0	0	2	29	4	57	1	14	538	17	0	33	67	0	539	28	5	53	30	12	544
C. once a month	0										0						11	4	47	34	15	542
D. never or almost never	10	0	0	1	25	1	25	2	50	532	6	0	0	50	50	531	15	4	50	30	16	542
Optional school/SAU question																						
A.	0										0											
B.	0										0											
C.	0										0											
D.	100	0	0	0	0	0	0	1	100	528	0											

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards
N = Number